

What is claimed is:

1. A wireless telecommunication system comprising:

a wireless base station;

at least one first wireless communication terminal that delivers packets by using

5 one frequency channel; and

at least one second wireless communication terminal that delivers packets by

using a plurality of frequency channels simultaneously,

wherein the frequency channels are formed by a plurality of time slots;

the wireless base station sets a preamble signal in the time slots for indicating

10 one of the terminals to which the time slots are allocated, and transmits

nonsimultaneously the preamble signal for the plurality of frequency channels; and

the first wireless communication terminal receives the preamble signal by  
switching the plurality of frequency channels transmitted from the base station, and  
detects the time slot to be received based on the received preamble signal.

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2. A wireless base station that transmits information to wireless communication  
terminals by using a plurality of frequency channels, the frequency channels being  
formed by a plurality of time slots, the wireless base station comprising:

an information setting unit that sets a preamble signal in the time slots for

20 indicating the terminals to which the time slots are allocated; and

a transmission unit that transmits nonsimultaneously the preamble signal for the  
plurality of frequency channels.

3. A wireless communication terminal that can deliver packets by using one

25 frequency channel, the frequency channel being formed by a plurality of time slots, a

preamble signal in the time slots being set for indicating the terminals to which the time slots are allocated, the wireless communication terminal comprising:

a reception unit that receives the preamble signal by switching the plurality of frequency channels transmitted from the base station; and

5 a detection unit that detects the time slot to be received based on the received preamble signal.